

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/698,899
Filing Date	October 31, 2003
First Named Inventor	Niranjan Damera-Venkata
Art Unit	2625
Examiner Name	Kau, Steven Y
Attorney Docket Number	200207907-1

Sheet 1 of 2

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,000,613	12-14-1999	Hecht et al.	
		US- 6,141,441	10-31-2000	Cass et al.	
		US- 6,655,592	12-2003	Shaked et al.	
		US- 5,315,098	05-1994	Tow	
		US- 6,700,992	03-2004	Yu et al.	
		US- 6,751,352	06-2004	Baharav et al.	
		US- 5,818,032	10-1998	Sun et al.	
		US- 2002/0186884	12-2002	Shaked et al.	
		US- 6,606,421	4-2003	Shaked et al.	
		US- 2002/019679	12-2002	Yen et al.	
		US- 2003/0047612	3-2003	Shaked et al.	
		US- 6,915,020	07-05-2005	Damera-Venkata et al.	
		US- 5,946,414	08-31-1999	Cass et al.	
		US- 2003/112471	06-19-2003	Damera-Venkata et al.	
		US- 5,710,636	01-20-1998	Curry et al.	
		US- 2003/038181	02-27-2003	Damera-Venkata et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		EP0493053	07-01-1992	Xerox Corp.		
		EP1158456	11-28-2001	Hewlett-Packard Co.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/698,899
		Filing Date	October 31, 2003
		First Named Inventor	Niranjan Damera-Venkata
		Art Unit	2625
		Examiner Name	Kau, Steven Y
Sheet 2	of 2	Attorney Docket Number	200207907-1

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		N. Damera-Venkata and B. L. Evans, "FM Halftoning Via Block Error Diffusion," Proc. IEEE Int'l Conf on Image Proc, vol. II, pp. 1081-1084, Thessaloniki, Greece (2001)	
		Zhigang Fan, "Dot-to-dot error diffusion," Journal of Electronic Imaging, Vol. 2 (1) (Jan. 1993)	
		Niranjan Damera-Venkata et al: "Adaptive Threshold Modulation for Error Diffusion Halftoning" IEEE Trans Image Proc., New York, US vol. 10 no.1, pp. 104-116 (2001)	
		J. Allebach and Q. Lin, "FM screen design using the DBS algorithm", Proceedings of 3rd IEEE International Conference on Image Processing, vol. 1, pp. 549-552, Sept. 1996.	
		N. Damera-Venkata et al., "Image barcodes," Proc. SPIE [online] vol. 5008, pp. 493-503, USA, January 21, 2003.	
		Ming Sun Fu et al., "Data hiding in ordered dithered halftone images" Circuits, Systems, and Signal Processing, [online] vol. 20, no. 2, pp. 209-232, Boston, March 2001	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.